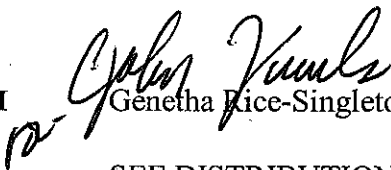


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 771210- & 0004638, Clayton County **OFFICE** Preconstruction  
STP00-00MS-00(342) & MSL00-0004-00(638)  
Anvil Block Road Widening

**DATE** June 5, 2008

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

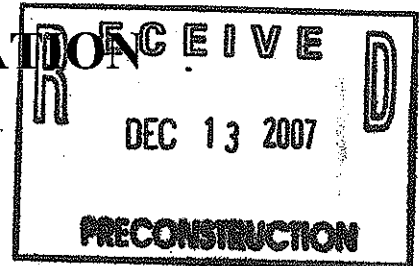
**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Angela Alexander  
Paul Liles  
Bryant Poole  
Mike Lobdell  
BOARD MEMBER

13

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**



**FILE:** STP-00MS(342) & MSL-0004-00(638)  
Anvil Block Rd Widening  
P.I. # 771210 & 0004638  
Clayton Co.

**OFFICE:** Chamblee\Metro

**DATE:** December 12, 2007

**FROM:** Bryant Poole, District Engineer *GLF for BP*

**TO:** ~~Genetha Rice-Singleton~~, Assistant Director of Preconstruction

**SUBJECT:** *Revised Project Concept Report (4<sup>th</sup> submittal)*

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

**Project STP- 00MS (342): Anvil Block Road (Grant Road to Bouldercrest Road)**

The project would widen Anvil Block Road from just east of I-675 at Grant Road (M.P. 2.1) to Bouldercrest Road (M.P. 1.3), a distance of 0.8 mile. The existing four-lane with 14-foot center turn lane urban section at the beginning of the project would transition symmetrically to accommodate an 8-foot concrete median and double left turns. The project would widen the remaining two-lane rural road to a four-lane divided urban roadway consisting of 12-foot lanes, and a 20-foot raised median. The project would construct a 16-foot outside shoulder having a 7-foot grass strip and 5-foot sidewalk on the south side only. The project would construct a 2-foot paved and 10-foot grass outside shoulder with a roadside ditch on the north side in anticipation of a future development in the area. Intermediate median openings are proposed at South Park Boulevard and Lunsford Drive. The proposed outside lanes on Anvil Block Road would terminate at the proposed signalized intersection at Bouldercrest Road. Raised islands would be added to channel the right turns to and from Bouldercrest Road. Bouldercrest Road would be reconstructed and widened to accommodate left turn lanes onto Anvil Block Road. The existing right-of-way is 50-foot minimum. The required right-of-way would vary from a 100-foot minimum to a 125-foot maximum. *rural turn*

**Project MSL- 0004-00 (638): Anvil Block Road (Bouldercrest Road to Allen Drive)**

The project would widen Anvil Block Road from Bouldercrest Road (M.P. 1.3) to Allen Drive (MP 0.0) at the Clayton/Henry County line, a distance of 1.3 miles. The project would widen the existing two-lane rural road to a three-lane roadway consisting of two 12-foot lanes, a 12-foot center turn lane, curb and gutter and 16-foot shoulders with a 7-foot grass strip and 5-foot sidewalks. The project would transition and tie to the existing two-lane rural road at Allen Drive being the Clayton/Henry County line. Existing Stagecoach Road (CR1350) would be relocated to intersect the proposed Anvil Block Road at a 90-degree angle. Existing Mitchell Road (CR 119) would be severed at Anvil Block Road and a cul-de-sac added. The remaining side streets would be reconstructed as necessary along their existing horizontal alignments. The proposed vertical alignments would be set using design parameters to minimize the length of reconstruction and impacts to the adjacent properties. The existing right of way is 80-foot minimum. The required right-of-way would vary from 90-foot minimum to 200-foot maximum.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE: 3/15/08

Angela J. Alexander  
State Transportation Planning Administrator

Distribution:

Brian Summers  
Glenn Bowman  
Keith Golden  
Angela Alexander  
Jamie Simpson  
File

C:\J-files\rev concept report cover letter - Anvilblock Rd.doc

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**REVISED PROJECT CONCEPT REPORT**

**Need and Purpose:** Project STP-00MS (342) would widen Anvil Block Road from 2-lanes to 4-lanes from just east of I-675 at Grant Road to Bouldercrest Road. The purpose of this project is to improve east-west mobility in the northeast corner of Clayton County and provide traffic congestion relief to Anvil Block Road, which is expected to carry over 29,000 vehicles by 2030. With Anvil Block Road experiencing high traffic volumes today, the widening and improvement of this section of roadway would reduce congestion and improve safety on this important roadway.

Project MSL-0004-00 (638) would improve Anvil Block Road with a center turn lane from Bouldercrest Road to Allen Road near the Clayton County line. This operational improvement would allow for better traffic flow through this section and prevent rear-end collisions from vehicles stopped to turn left into side streets and driveways.

Planning Background and Project History:

Clayton County has identified various roadways throughout the County that need capacity improvements in order to accommodate the high traffic growth in these areas. Anvil Block Road was identified as an important east-west route carrying traffic to and from I-675 in the northeast corner of Clayton County. Because of the residential development and traffic growth in the project area, Clayton County chose this roadway to apply Georgia Regional Transportation Authority (GRTA) Bond funding for this widening and operational improvements. These projects are listed in the Draft ARC Transportation Improvement Program (TIP) as CL-230A and B. Both projects have ROW funding in 2007 and construction funding in 2008.

Land Use and Development Trends:

Intense residential development in this section of Clayton County as well as in northwest Henry County has driven a steady increase in traffic volumes along Anvil Block Road over the past decade. As this development trend continues, traffic will continue to use Anvil Block Road to gain access to and from I-675.

Project Limits:

Project STP-00MS(342) would widen Anvil Block Road from just east of I-675 at MP 2.1, where the existing 5-lane section ends at Grant Road, east to Bouldercrest Road at MP 1.3 a distance of 0.8-mile. Project MSL-0004-00(638) would improve Anvil Block Road with a center-turn lane from Bouldercrest Road to Allen Drive near the Clayton County and Henry County line a distance of 1.3 miles. The total project length would be approximately 2.1 miles.

### Level of Service Analysis:

Under existing conditions, the intersections along Anvil Block Road operate within acceptable levels of service, with all intersections operating at LOS D or better. Under the 2030 No-Build alternate, with no roadway improvements to Anvil Block Road, all intersections along the project operate at unacceptable levels of service (E or F). Under the 2030 Build alternative, all intersections would operate at LOS D or better. The table below summarizes the intersection LOS for the existing year 2005, 2030 No-Build and 2030 Build:

Summary of Intersection Level of Service

Intersection	2005 (Existing)		2030 (No-Build)		2030 (Build)	
	AM	PM	AM	PM	AM	PM
Anvil Block Road @ Grant Road	C*	C*	F*	F*	C	A
Anvil Block Road @ Bouldercrest Road	F*	F*	F*	F*	D	D
Anvil Block Road @ Stagecoach Road	C*	C*	F*	E*	B	A
Anvil Block Road @ Mitchell Road	A*	B*	F*	E*	---	----

\* Unsignalized Intersection

### Safety Analysis:

Historical accident and injury rates were calculated based on 2002, 2003, and 2004 data, as shown in the table below. The table also shows statewide average accident and injury rates corresponding to a rural minor arterial functional classification.

History of Traffic Accidents

Year	No. Of Accidents	Accident Rate*	Statewide Rate*	No. Of Injuries	Injury Rate*	Statewide Rate*
2002	19	290	199	7	107	64
2003	21	321	212	6	92	69
2004	33	503	243	8	122	80

\*Rates per 100 Million Vehicle Miles

The analysis shows that the accident and injury rates on Anvil Block Road are above the statewide average rates for all three years. Of the 73 total accidents, 1 involved a head-on collision, 10 involved rear-end collisions, 23 involved angle collisions and 9 involved sideswipe. Thirty incidents were classified as not collisions with motor vehicles, typically involving fixed objects along the right-of-way.

This project includes several improvements that would improve safety along Anvil Block Road. By providing left turn lanes at major intersections, rear-end collisions along the roadway would be reduced. Additionally, the 20' raised median from Grant Road to Bouldercrest Road would prevent traffic from turning left across traffic lanes from driveways along the project. This would help limit sideswipe and angle collisions.

Other Projects in the Area:

- Lincest Road at Conley Creek:  
*ARC TIP: DK-256, GDOT PI: 771180*  
This project involves upgrading the existing bridge at Conley Creek.
- Fairview Road from Dekalb Line to Swan Lake Road:  
*ARC TIP: HE-134,*  
This project involves widening of a 6 miles long corridor from 2 lanes to 4 lanes.
- West Panola Road Extension from Clayton County Line to Fairview Road:  
*ARC TIP: HE-AR-223*  
This project involves widening of a 3 miles long corridor from 2 lanes to 4 lanes.
- I-675 ATMS, Communications Surveillance.  
*ARC TIP: AR-253*

**Project location:** These two projects are located in the northeast corner of Clayton County near the unincorporated area of Ellenwood. Project STP-00MS (342) will widen Anvil Block Road from just east of I-675 at MP 2.1, where the current 5-lane section ends, east to Bouldercrest Road at MP 1.3 a distance of 0.8 mile and MLS-0004-00 (638) would continue to Allen Drive MP 0.00 near the county line a distance of 1.3 miles.

**Description of the approved concept:** The proposed project includes widening the existing 2-lane road to four 12-foot lanes with a 20-foot raised median, curb and gutter and 16-foot shoulders which include a 6-foot grass strip and 5-foot sidewalks. Some realignment of intersections may be required to ensure safe operations. Location of median openings will be determined during the design phase. An additional future project, ARC TIP number CLA 230C, will widen Anvil Block Road the remaining 0.4 miles to the intersection with Fairview Road in Henry County.

**PDP Classification:** Major  X  Minor \_\_\_\_\_  
**Federal Oversight:** Full Oversight ( ), Exempt(X), State Funded( ), or Other ( )

**Functional Classification:** Minor Arterial

**U. S. Route Number(s):**  N/A  **State Route Number(s):**  N/A

**Traffic (AADT) as shown in the approved concept:**

Build Year (2007): 16,860      Design Year (2027): 30,450

**Proposed features to be revised:**

**Project STP- 00MS (342): Anvil Block Road (Grant Road to Bouldercrest Road)**

The project would widen Anvil Block Road from just east of I-675 at Grant Road (M.P. 2.1) to Bouldercrest Road (M.P. 1.3), a distance of 0.8 mile. The existing four-lane with 14-foot center turn lane urban section at the beginning of the project would transition symmetrically to accommodate an 8-foot concrete median and double left turns. The project would widen the remaining two-lane rural road to a four-lane divided urban roadway consisting of 12-foot lanes, and a 20-foot raised median. The project would construct a 16-foot outside shoulder having a 7-foot grass strip and 5-foot sidewalk on the south side only. The project would construct a 2-foot paved and 10-foot grass outside shoulder with a roadside ditch on the north side in anticipation of a future development in the area. Intermediate median openings are proposed at South Park Boulevard and Lunsford Drive. The proposed outside lanes on Anvil Block Road would terminate at the proposed signalized intersection at Bouldercrest Road. Raised islands would be added to channel the right turns to and from Bouldercrest Road. Bouldercrest Road would be reconstructed and widened to accommodate left turn lanes onto Anvil Block Road. The existing right-of-way is 50-foot minimum. The required right-of-way would vary from a 100-foot minimum to a 125-foot maximum.

**Project MSL- 0004-00 (638): Anvil Block Road (Bouldercrest Road to Allen Drive)**

The project would widen Anvil Block Road from Bouldercrest Road (M.P. 1.3) to Allen Drive (MP 0.0) at the Clayton/Henry County line, a distance of 1.3 miles. The project would widen the existing two-lane rural road to a three-lane roadway consisting of two 12-foot lanes, a 12-foot center turn lane, curb and gutter and 16-foot shoulders with a 7-foot grass strip and 5-foot sidewalks. The project would transition and tie to the existing two-lane rural road at Allen Drive being the Clayton/Henry County line. Existing Stagecoach Road (CR1350) would be relocated to intersect the proposed Anvil Block Road at a 90-degree angle. Existing Mitchell Road (CR 119) would be severed at Anvil Block Road and a cul-de-sac added. The remaining side streets would be reconstructed as necessary along their existing horizontal alignments. The proposed vertical alignments would be set using design parameters to minimize the length of reconstruction and impacts to the adjacent properties. The existing right of way is 80-foot minimum. The required right-of-way would vary from 90-foot minimum to 200-foot maximum.

**Describe the revised feature(s) to be approved:**

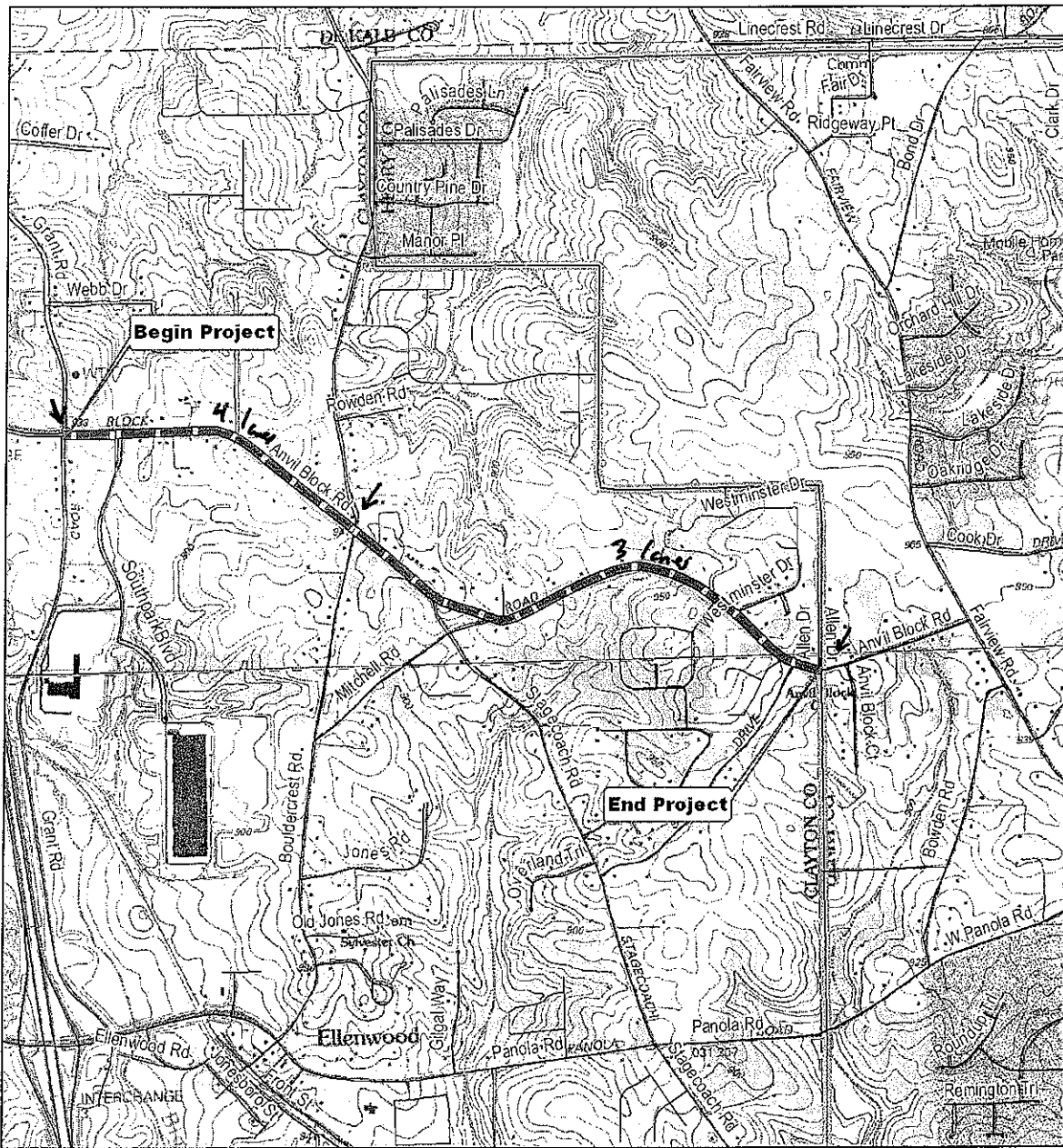
The typical section of project STP- 00MS (342): Anvil Block Road (Grant Road to Bouldercrest Road) would be changed from the existing two-lane rural road to a four-lane divided urban roadway consisting of 12-foot lanes, and a 20-foot raised median. The typical section would consist of a 16-foot outside shoulder having a 7-foot grass strip and 5-foot sidewalk on the south side and a 2-foot paved, 10-foot grass outside shoulder with a roadside ditch on the north side.

The typical section of project MSL-0004-00 (638): Anvil Block Road (Bouldercrest Road to Allen Drive) would be changed from the existing two-lane rural road to a three-lane roadway with two 12-foot lanes, a 12-foot center turn lane, curb and gutter and 16-foot shoulders which include a 7-foot grass strip and 5-foot sidewalks.

## Chief Engineer

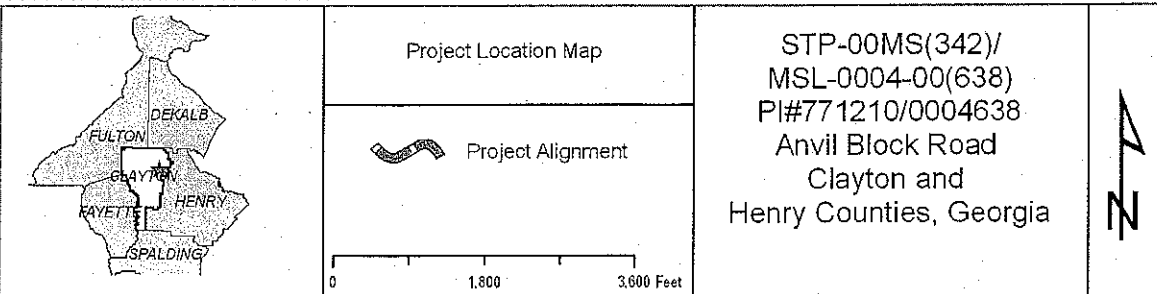


# Project Location Map



USGS TOPO - Jonesboro & Southeast Atlanta

10-30-07



**Estimate Report for file "MSL-0004-00 (638, P.I. No. 0004638"**

<b>Section Grading &amp; Drainage</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
210-0100	1	LS	282000.00	GRADING COMPLETE -	282000.00
550-1180	5000	LF	44.54	STORM DRAIN PIPE, 18 IN, H 1-10	222700.00
550-1240	2000	LF	54.43	STORM DRAIN PIPE, 24 IN, H 1-10	108860.00
611-3000	29	EA	1904.68	RECONSTR CATCH BASIN, GROUP 1	55235.72
<b>Section Sub Total:</b>					<b>\$668,795.72</b>

<b>Section Base &amp; Paving</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
310-1101	8695	TN	19.78	GR AGGR BASE CRS, INCL MATL	171987.10
402-3141	3117	TN	83.13	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	259116.21
402-3143	2962	TN	102.04	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	302242.48
402-3190	1482	TN	63.30	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	93810.60
413-1000	3267	GL	1.97	BITUM TACK COAT	6435.99
<b>Section Sub Total:</b>					<b>\$833,592.38</b>

<b>Section Concrete Work</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
441-0016	2400	SY	41.33	DRIVEWAY CONCRETE, 6 IN TK	99192.00
441-0100	7667	SY	37.38	CONC SIDEWALK, VARB TK	286592.46
441-6222	8300	LF	18.59	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	154297.00
<b>Section Sub Total:</b>					<b>\$540,081.46</b>

<b>Section Signing and Striping</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
636-1020	10	SF	14.99	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	149.90
636-1033	40	SF	19.60	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	784.00
636-1041	20	SF	31.44	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	628.80
636-2070	35	LF	8.27	GALV STEEL POSTS, TP 7	289.45
636-2080	260	LF	10.94	GALV STEEL POSTS, TP 8	2844.40
653-0120	46	EA	73.13	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	3363.98
653-1501	2700	LF	0.64	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	1728.00
653-1502	16600	LF	0.62	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	10292.00
653-1704	135	LF	4.94	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	666.90
653-1804	1400	LF	1.84	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	2576.00
653-3501	1100	GLF	0.52	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	572.00
653-3502	13800	GLF	0.34	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	4692.00
653-6004	75	SY	2.71	THERMOPLASTIC TRAF STRIPING, WHITE	203.25
653-6006	700	SY	3.10	THERMOPLASTIC TRAF STRIPING, YELLOW	2170.00
654-1001	200	EA	3.13	RAISED PVMT MARKERS TP 1	626.00
654-1003	55	EA	3.66	RAISED PVMT MARKERS TP 3	201.30
<b>Section Sub Total:</b>					<b>\$31,787.98</b>

<b>Section Traffic Control</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
150-1000	1	LS	50000.00	TRAFFIC CONTROL -	50000.00
<b>Section Sub Total:</b>					<b>\$50,000.00</b>

654-1003	50	EA	3.66	RAISED PVMT MARKERS TP 3	183.00
<b>Section Sub Total:</b>					<b>\$149,086.26</b>

**Section Traffic Control**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	50000.00	TRAFFIC CONTROL -	50000.00
<b>Section Sub Total:</b>					<b>\$50,000.00</b>

**Section Landscaping and Erosion Control**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	8	AC	703.79	TEMPORARY GRASSING	6052.59
163-0240	36	TN	165.18	MULCH	5946.48
163-0300	6	EA	1620.67	CONSTRUCTION EXIT	9724.02
163-0531	2	EA	7516.03	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	15032.06
165-0010	1785	LF	0.79	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	1410.15
165-0030	4165	LF	1.70	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	7080.50
165-0060	2	EA	1259.00	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	2518.00
167-1000	1	EA	1291.85	WATER QUALITY MONITORING AND SAMPLING	1291.85
167-1500	18	MO	980.37	WATER QUALITY INSPECTIONS	17646.66
171-0010	1785	LF	1.67	TEMPORARY SILT FENCE, TYPE A	2980.95
171-0030	4165	LF	3.89	TEMPORARY SILT FENCE, TYPE C	16201.85
201-1500	1	LS	200000.00	CLEARING & GRUBBING -	200000.00
700-6910	4	AC	1050.40	PERMANENT GRASSING	4201.60
700-7000	40	TN	59.67	AGRICULTURAL LIME	2386.80
700-7010	35	GL	21.85	LIQUID LIME	764.75
700-8000	4	TN	299.50	FERTILIZER MIXED GRADE	1198.00
700-8100	135	LB	2.32	FERTILIZER NITROGEN CONTENT	313.20
<b>Section Sub Total:</b>					<b>\$294,749.46</b>

**Section Miscellaneous Items**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
153-1300	1	EA	75763.76	FIELD ENGINEERS OFFICE TP 3	75763.76
634-1200	75	EA	99.03	RIGHT OF WAY MARKERS	7427.25
<b>Section Sub Total:</b>					<b>\$83,191.01</b>

<del>Subtotal Construction Cost</del>	<del>\$3,230,316.89</del>
<del>E&amp;C Rate 10.0 %</del>	<del>\$323,031.69</del>
<del>Inflation Rate 5.0 % @ 1.0 Years</del>	<del>\$177,667.43</del>
<b>Total Construction Cost</b>	<b>\$3,731,016.01</b>
Right Of Way	\$909,937.00
ReImb. Utilities	\$50,000.00
<b>Grand Total Project Cost</b>	<b>\$4,690,953.01</b>

*Adel*  
5/8/2008

Total Estimated Cost: \$3,230,316.89

ENGINEERING @ 5% 161,516

CONTRACTOR @ 6% 203,509

TOTAL CONST COST \$3,595,341

R/W - 568,259

REIM UTL - 50,000 (LOCAL)

TOTAL PROJECT COST \$4,213,600

**Estimate Report for file "STP-00MS (342), P.I. No. 771210"**

<b>Section Grading &amp; Drainage</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
210-0100	1	LS	425000.00	GRADING COMPLETE -	425000.00
550-1180	2500	LF	44.54	STORM DRAIN PIPE, 18 IN, H 1-10	111350.00
550-1240	1000	LF	54.43	STORM DRAIN PIPE, 24 IN, H 1-10	54430.00
611-3000	14	EA	1904.68	RECONSTR CATCH BASIN, GROUP 1	26665.52
<b>Section Sub Total:</b>					<b>\$617,445.52</b>

<b>Section Base &amp; Paving</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
310-1101	18996	TN	19.78	GR AGGR BASE CRS, INCL MATL	375740.88
402-3141	2839	TN	83.13	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	236006.07
402-3143	6472	TN	102.04	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	660402.88
402-3190	3237	TN	63.30	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	204902.10
413-1000	4069	GL	1.97	BITUM TACK COAT	8015.93
<b>Section Sub Total:</b>					<b>\$1,485,067.86</b>

<b>Section Concrete Work</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
441-0016	2300	SY	41.33	DRIVEWAY CONCRETE, 6 IN TK	95059.00
441-0100	3306	SY	37.38	CONC SIDEWALK, VAR8 TK	123578.28
441-0754	780	SY	54.25	CONCRETE MEDIAN, 7 1/2 IN	42315.00
441-6222	5950	LF	18.59	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	110610.50
441-6740	11900	LF	15.06	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	179214.00
<b>Section Sub Total:</b>					<b>\$550,776.78</b>

<b>Section Signing and Striping and Signals</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
636-1020	10	SF	14.99	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	149.90
636-1029	10	SF	15.79	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	157.90
636-1033	20	SF	19.60	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	392.00
636-1041	10	SF	31.44	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	314.40
636-2070	25	LF	8.27	GALV STEEL POSTS, TP 7	206.75
636-2080	175	LF	10.94	GALV STEEL POSTS, TP 8	1914.50
639-4004	4	EA	7159.17	STRAIN POLE, TP IV	28636.68
647-1000	1	LS	80000.00	TRAFFIC SIGNAL INSTALLATION NO -	80000.00
647-2150	1	EA	1858.38	PULL BOX, PB-5	1858.38
653-0120	16	EA	73.13	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	1170.08
653-0160	9	EA	150.56	THERMOPLASTIC PVMT MARKING, ARROW, TP 5	1355.04
653-0170	3	EA	83.45	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	250.35
653-0210	3	EA	119.01	THERMOPLASTIC PVMT MARKING, WORD, TP 1	357.03
653-1501	16300	LF	0.64	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	10432.00
653-1502	15300	LF	0.62	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	9486.00
653-1704	85	LF	4.94	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	419.90
653-1804	1000	LF	1.84	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	1840.00
653-3501	11900	GLF	0.52	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	6188.00
653-6004	1335	SY	2.71	THERMOPLASTIC TRAF STRIPING, WHITE	3617.85
654-1001	50	EA	3.13	RAISED PVMT MARKERS TP 1	156.50

Section Landscaping and Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	7	AC	703.79	TEMPORARY GRASSING	5137.67
163-0240	28	TN	165.18	MULCH	4625.04
163-0300	6	EA	1620.67	CONSTRUCTION EXIT	9724.02
163-0531	2	EA	7516.03	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	15032.06
165-0010	2580	LF	0.79	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	2038.20
165-0030	6020	LF	1.70	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	10234.00
165-0060	2	EA	1259.00	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	2518.00
167-1000	1	EA	1291.85	WATER QUALITY MONITORING AND SAMPLING	1291.85
167-1500	18	MO	980.37	WATER QUALITY INSPECTIONS	17646.66
171-0010	2580	LF	1.67	TEMPORARY SILT FENCE, TYPE A	4308.60
171-0030	6020	LF	3.89	TEMPORARY SILT FENCE, TYPE C	23417.80
201-1500	1	LS	100000.00	CLEARING & GRUBBING -	100000.00
700-6910	3	AC	1050.40	PERMANENT GRASSING	3781.44
700-7000	35	TN	59.67	AGRICULTURAL LIME	2088.45
700-7010	30	GL	21.85	LIQUID LIME	655.50
700-8000	3	TN	299.50	FERTILIZER MIXED GRADE	1078.20
700-8100	100	LB	2.32	FERTILIZER NITROGEN CONTENT	232.00
Section Sub Total:					\$203,809.49

Section Miscellaneous Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
153-1300	1	EA	75763.76	FIELD ENGINEERS OFFICE TP 3	75763.76
634-1200	100	EA	99.03	RIGHT OF WAY MARKERS	9903.00
Section Sub Total:					\$85,666.76

<del>Subtotal Construction Cost</del>	<del>\$2,413,733.79</del>
<del>E&amp;C Rate 10.0 %</del>	<del>\$241,373.38</del>
<del>Inflation Rate 5.0 % @ 1.0 Years</del>	<del>\$132,755.36</del>
<del>Total Construction Cost</del>	<del>\$2,787,862.52</del>
<del>Right Of Way</del>	<del>\$795,563.00</del>
<del>ReImb. Utilities</del>	<del>\$50,000.00</del>
<del>Grand Total Project Cost</del>	<del>\$3,633,425.52</del>

*add 5/8/2008*

Total Estimated Cost: \$2,413,733.79

*ENGINEERING @ 5% 120,686*

*Contingency @ 6% 152,065*

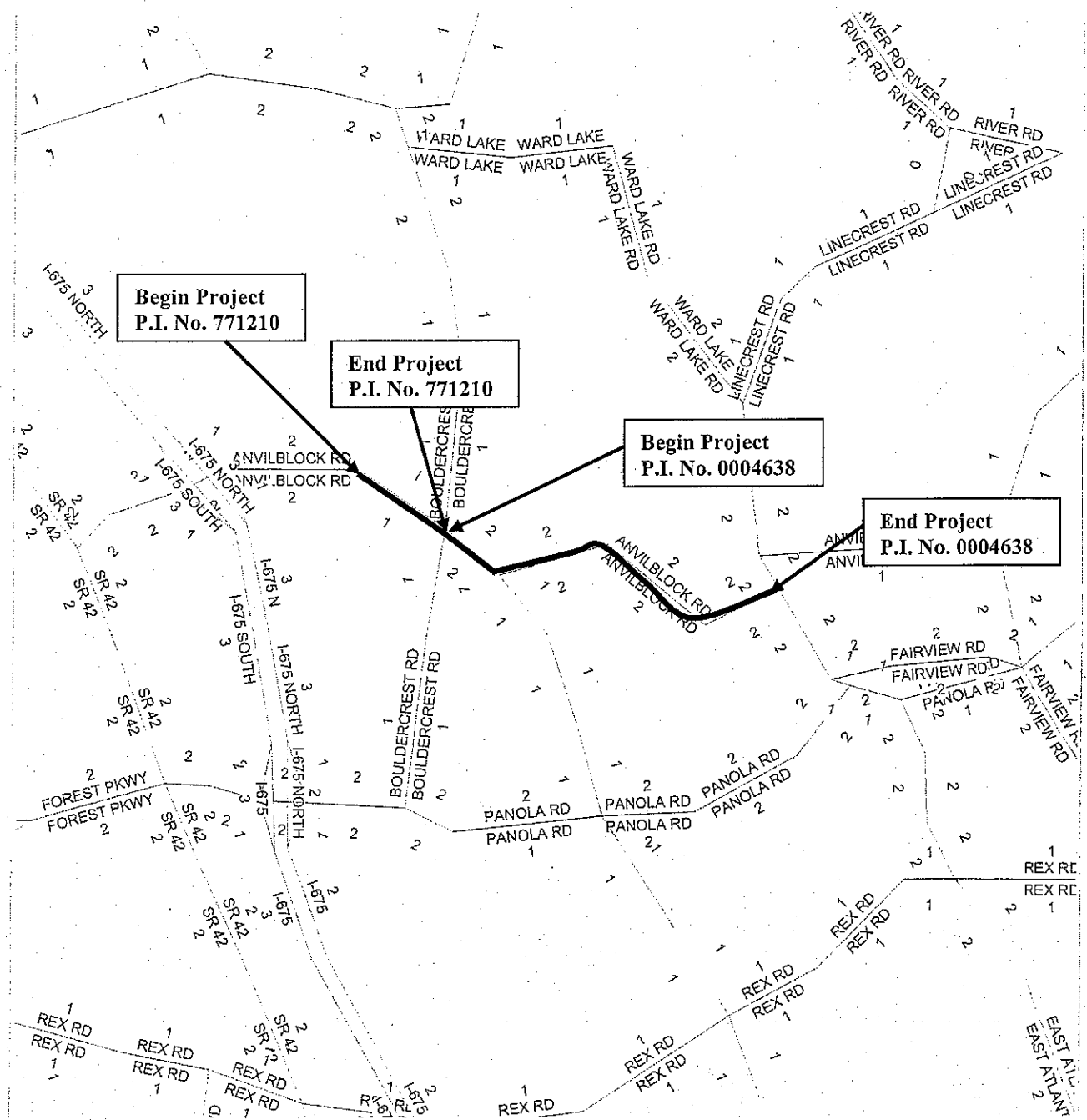
*TOTAL CONST COST \$2,686,484*

*R/W - 649,955*

*ReImb UTILITIES - 50,000 (LOCAL)*

*TOTAL PROJECT COST \$3,386,439*

### Anvil Block Road Widening from near Grant Road to Allen Drive



OVERLAY / WIDENING SECTION  
ANVIL BLOCK RD

1. SEE ROADWAY PLANS FOR SE RATES AND LOCATIONS.
2. CONCRETE CURB & GUTTER ON HIGH SIDE OF SE TO SLOPE SAME AS PAVEMENT.
3. SEE ROADWAY PLANS FOR LOCATIONS OF TURN LANES AND TAPERES.
4. MAX SE 4%
5. SEE ALLOWABLE RANGES TABLE DRWG 5-01 FOR CROSS SLOPES.

ASPHALT CONCRETE 12.5 MM SUPERPAVE, 165 lbs/sy MIX DESIGN LEVEL B  
ASPHALT CONCRETE 19 MM SUPERPAVE, 220 lbs/sy MIX DESIGN LEVEL B  
ASPHALT CONCRETE 25 MM SUPERPAVE, 650 lbs/sy MIX DESIGN LEVEL A  
GRADED AGGREGATE BASE 12"

OVERLAY ASPHALT CONCRETE 12.5 MM SUPERPAVE, 165 lb/cu yd MIX DESIGN LEVEL B  
MILL EXISTING PAVEMENT-VARIABLE DEPTH OR ASPHALT CONCRETE LEVELING-VARIABLE DEPTH AS REQUIRED  
EXISTING PAVEMENT TO REMAIN

[illegible]

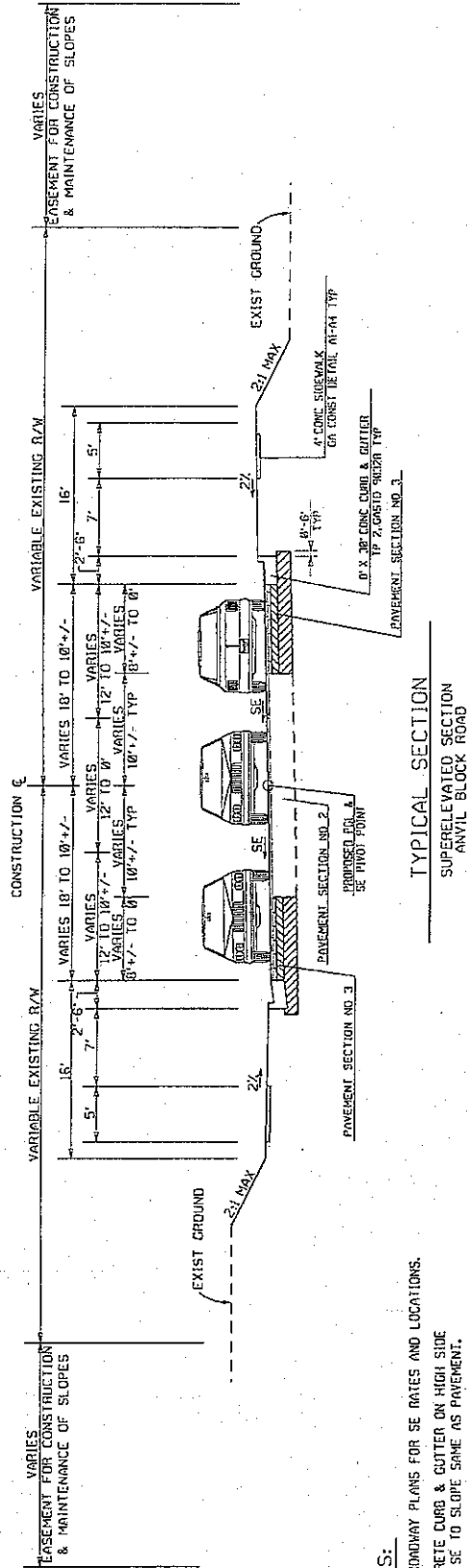
## ANY! BLOCK ROAD

1. SEE ROADWAY PLANS FOR SE RATES AND LOCATIONS.
2. CONCRETE CURB & GUTTER ON HIGH SIDE OF SE. TO SLOPE SAME AS PAVEMENT.
3. SEE ROADWAY PLANS FOR LOCATIONS OF TURN LANES AND TAPERS.
4. MAX SE 4%.

ASPHALT CONCRETE 12.5 MM SUPERPAVE, 165 lbs/cy MIX DESIGN LEVEL B  
ASPHALT CONCRETE 19 MM SUPERPAVE, 220 lbs/cy MIX DESIGN LEVEL B  
ASPHALT CONCRETE 25 MM SUPERPAVE, 660 lbs/cy MIX DESIGN LEVEL A  
GRADED AGGREGATE BASE 12"



ANVIL BLOCK ROAD  
PROJECT NO. MSL-0004-00 (638)  
P.I. NO. 0004638



NOTES:

1. SEE ROADWAY PLANS FOR SE RATES AND LOCATIONS.
2. CONCRETE CURB & GUTTER ON HIGH SIDE OF SE TO SLOPE SAME AS PAVEMENT.
3. SEE ROADWAY PLANS FOR LOCATIONS OF TURN LANES AND TAPERS.
4. MAX SE 4%.
5. SEE ALLOWABLE RANGES TABLE DRWG 5-01 FOR CROSS SLOPES.

PAVEMENT SECTION NO. 3

ASPHALT CONCRETE 12.5 MM SUPERPAVE. 165 1b5/2m MIX DESIGN LEVEL B  
ASPHALT CONCRETE 19 MM SUPERPAVE. 220 1b5/2m MIX DESIGN LEVEL B  
ASPHALT CONCRETE 25 MM SUPERPAVE. 440 1b5/2m MIX DESIGN LEVEL A  
GRADED AGGREGATE BASE 12"

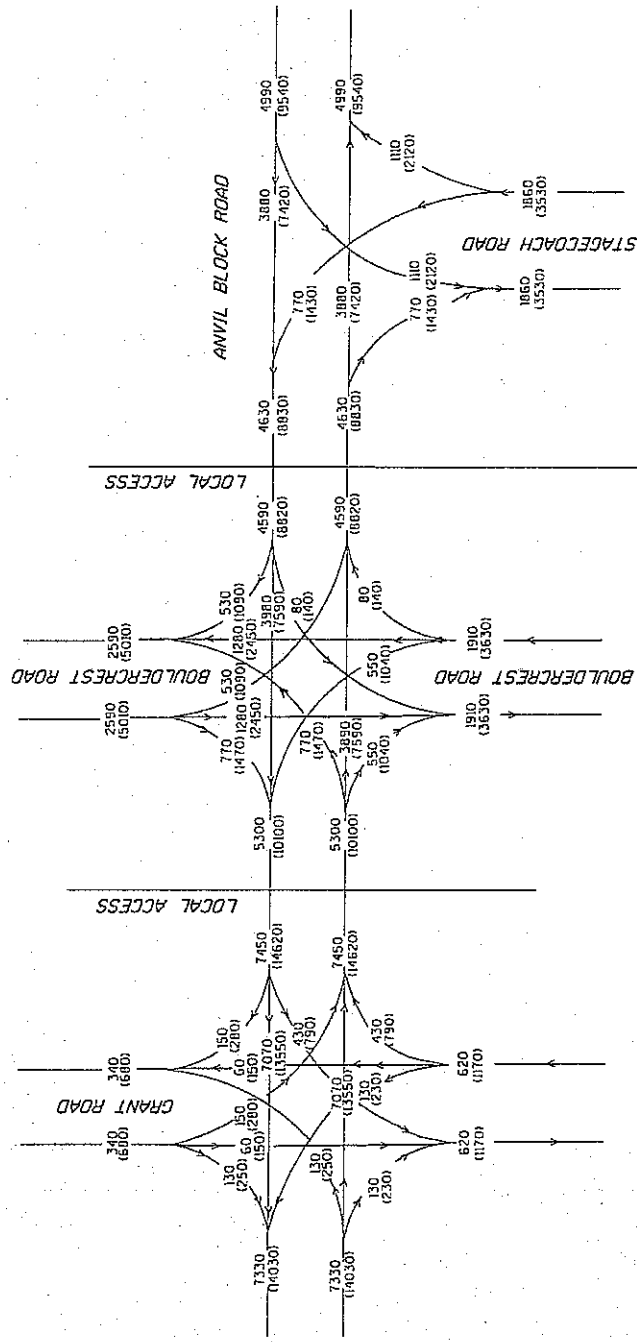
PAVEMENT SECTION NO. 2

OVERLAY ASPHALT CONCRETE 12.5 MM SUPERPAVE. 165 1b5/2m MIX DESIGN LEVEL B  
MILL EXISTING PAVEMENT-VARIABLE DEPTH OR ASPHALT CONCRETE LEVELING-VARIABLE DEPTH AS REQUIRED  
EXISTING PAVEMENT TO REMAIN



DATE	PROJECT	SCALE	DATE

PROJECT STP-00MS(342) PROJECT MSL-0004-00(638)



24 HR TRUCKS = 5% 24 HR TRUCKS = 2%

SU = 3% SU = 1.5%  
 COMB = 2% COMB = .5%

00 2007 ADT  
 (00) 2027 ADT

PROJECT	STP-00MS(342)	DATE	10-3
PROJECT	MSL-0004-00(638)	DATE	
PROJECT	ANVIL BLOCK ROAD	DATE	
PROJECT	2010/2030 AVERAGE DAILY TRAFFIC	DATE	
PROJECT	TRAFFIC FLOW DIAGRAM	DATE	



# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENTAL CORRESPONDENCE

**FILE:** STP-00MS-00(342) & MSL-0004-00(638)  
Anvil Block Rd Widening  
P.I. # 771210 & 0004638  
Clayton Co.

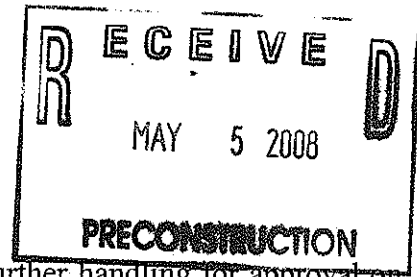
**OFFICE:** Chamblee\Metro

**DATE:** May 2, 2008

**FROM:** Bryant Poole, District Engineer *BP*

**TO:** Johnny Quarles, Concept Review Engineer

**SUBJECT:** *R/W Cost Estimates*



Attached is the signed copy of the R/W cost estimates for your further handling for approval on the above referenced projects.

If you have any questions or need additional information, please contact Gerald Ford or Scott Lee at 770-986-1257.

BP:WSL:glf

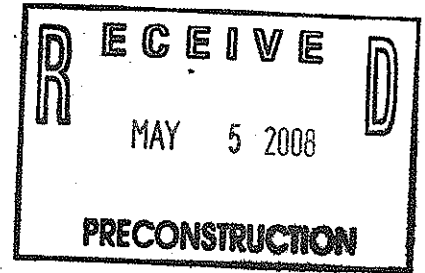
w/attachments  
Cc: Jerry Milligan  
File

C:\J-files\RW cost estimate cover letter - Anvilblock Rd.doc

# Department of Transportation

## State of Georgia

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Interdepartmental Correspondence



**FILE** Preliminary R/W Cost Estimate **OFFICE** R/W  
**DATE** May 2, 2008

**FROM** Phil Copeland, Right of Way Administrator

**TO** Gerald Ford District 7 Design

**SUBJECT** Preliminary Right of Way Cost Estimate  
Project: MSLOO-0004-00(638) ~~Dekalb~~ STP00-00MS-00(342)/CLAYTON  
P.I. No.:0004638 ~~771210~~  
Description: Anvil Block Road Widening Project

Per your request, we have reviewed the Preliminary Right of Way Cost Estimate on the above referenced project.

Please note the Cost Estimate does conform to our current guidelines.

If you have any questions, please contact Jerry Milligan at District 7 Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

Cc: Wes Brock, Chief of Appraisal & Review  
File

# Preliminary Right-of-Way Cost Estimate

**Howard "Phil" Copeland**  
Right-of-Way Administrator

Date: April 21, 2008  
Project: STP00-00MS-00 (342)  
Required R/W: 120 feet/varies  
Project Termini: CR 1350/Anvil Block Rd from 5 lane to CR 121/Bouldercrest Road  
Project Description: Anvil Block Road widening

P.I. Number: 771210  
No. Parcels: 30

**Land:**

Residential -

174,719 SF x \$1.50 / SF = \$ 262,079

**Improvements:**

\$ 262,079

\$ 0

**Relocation:**

\$ 0

**Damages:**

Proximity - Parcels = \$ 0  
Consequential - Parcels = \$ 0  
Cost To Cure - Parcels = \$ 0

\$ 0

Net Cost of Right-of-Way  
Scheduling Contingency  
Adm./Court Cost.

55%  
60%

\$ 262,079  
\$ 144,143  
\$ 243,733

**Total Cost \$ 649,955**

Prepared by:

Karla M. Poschally  
Moreland Altobelli Associates, Inc.

Approved:

Phil Copeland  
GDOT R/W

# Preliminary Right-of-Way Cost Estimate

**Howard "Phil" Copeland**  
Right-of-Way Administrator

Date: April 21, 2008  
Project: MSL00-0004-00 (638)  
Required R/W: 100 feet/varies  
Project Termini: Bouldercrest Road to Allen Drive  
Project Description: Anvil Block Road widening

P.I. Number: 0004638  
No. Parcels: 75

**Land:**

Residential -

152,758 SF x \$1.50 / SF = \$ 229,137

**Improvements:**

\$ 229,137

\$ 0

**Relocation:**

\$ 0

**Damages:**

Proximity -Parcels = \$ 0  
Consequential - Parcels = \$ 0  
Cost To Cure - Parcels = \$ 0

\$ 0

Net Cost of Right-of-Way  
Scheduling Contingency  
Adm./Court Cost.

55%  
60%

\$ 229,137  
\$ 126,025  
\$ 213,097

**Total Cost \$ 568,259**

Prepared by:

Karla M. Poshadly  
Moreland Altobelli Associates, Inc.

Approved:

Howard "Phil" Copeland  
GDOT R/W

## **Quarles, Johnny**

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**From:** Ford, Gerald  
**Sent:** Friday, May 30, 2008 1:58 PM  
**To:** Rice-Singleton, Genetha  
**Cc:** Quarles, Johnny  
**Subject:** RE: Concept Report

Here is a timeline of the submittals of Anvil Block Rd:

August 14, 2007 - First submittal of revised concept report.  
September 20, 2007 - Second submittal of revised concept report.  
Comments from Gerald Ross were addressed. The issue with the logical termini was addressed by saying "Project limits". Project P.I. 751800 was removed and deleted since this project is in Henry county thus making Allen Rd the end project limit for P.I. 0004638.  
October 31, 2007 - Third submittal of revised concept report.  
The Need and Purpose statement was expanded to include/cover both projects. The project P.I. 751800 was removed from location sketch.  
December 12, 2007 - Fourth submittal of revised concept report.  
The Need and Purpose statement was revised to indicate that P.I. 0004638 is "Operational Improvement", not "Capacity". The Project Numbers should be MSL00-0004-00(638) and STP00-9108-00(004).  
November 14, 2007 - Request for Benefit-Cost Ratio  
March 25, 2008 - Request for copy of the detailed R/W and Utilities cost estimates.  
March 25, 2008 - Added the detailed R/W cost estimate and resubmitted.  
(Also updated project numbers to the new system.)  
March 26, 2008 - Resubmitted because I noticed that the R/W parcel count was incorrectly shown on the R/W estimate.  
April 10, 2008 - Request to edit the "Inflation Factor" to "Market Appreciation".  
April 11, 2008 - Resubmitted with changing text.  
April 21, 2008 - Request to remove the 40% Market Appreciation/Inflation Factor in R/W estimate.  
April 21, 2008 - Resubmitted without 40% Inflation Factor.

If you have any questions, please contact me or Scott Lee at 770-986-1257.

Thanks,

Gerald Ford  
GDOT - District 7 - Preconstruction  
(770) 986-3982 direct

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**From:** Rice-Singleton, Genetha  
**Sent:** Thursday, May 22, 2008 2:34 PM  
**To:** Ford, Gerald  
**Cc:** Quarles, Johnny  
**Subject:** Concept Report

Gerald,

We have the revised concept report for P.I. 771210- and 0004638. The subject notes that this is the 4<sup>th</sup> submittal. Please send me a list of what change was requested each submittal.

Thank you,